2017 COMBINED REVIEW MEETING POSTER PRESENTATIONS

Technology Area	Poster Number	Organization	Poster Title	Presenter
Computational Materials	1	Florida International University	The Fundamental Creep Behavior Model of GR.91 Alloy by Integrated Computational Materials Engineering (ICME) Approach	Yu Zhong
	2	Michigan Technological University	Development of a Physically-Based Creep Model Incorporating ETA Phase Evolution for Nickel-Base Superalloys	Walter Milligan
	3	QuesTek Innovations LLC	Improved Models of Long Term Creep Behavior of High Performance Structural Alloys for Existing and Advanced Technologies Fossil Energy Power Plants	Jiaodong Gong
	4	University of Texas at El Paso	A Guideline for the Assessment of Uniaxial Creep and Creep-Fatigue Data and Models	Jack Chessa
	5	Ohio State University	ICME for Creep of NI-Base Superalloys in Advanced Ultra-Supercritical Steam Turbines	Stephen Niezgoda
Sensors & Controls	6	Virginia Polytechnic Institute and State University	Investigation of High Temperature Silica Based Fiber Optic Materials	Gary Pickrell
	7	Washington State University	Raman Spectroscopy for the On-Line Analysis of Oxidation States of Oxygen Carrier Particles	Hergen Eilers
	8	University of Pittsburgh	Engineering Metal Oxide Nanomaterials for Fiber Optical Sensor Platforms	Peng Chen
	9	University of Texas at El Paso	Additive Manufacturing of Energy Harvesting Material System for Active Wireless Microelectromechanical Systems (MEMS) Sensors	Ryan Wicker
	10	NETL - Research and Innovation Center	Zirconia-Doped Ceria as Thin Film Gas Sensing Layer for High-Temperature Fossil Energy Applications	Robert Fryer
Water Management R&D	11	NETL - Research and Innovation Center	R&IC-SEA Water Management Research	Erik Shuster
	12	University of Alabama at Birmingham	Continuous Water Quality Sensing for Flue Gas Desulfurization Wastewater	Lee Moradi
	13	West Virginia State University	Dev. Cost-Effective Biological Removal Technology for Selenium & Nitrate from Flue Gas Desulfurization Wastewater from Existing Power Generating Facility	Sanjaya

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Gasification Systems	14	University of South Carolina	Intermediate Temperature Nano-Structured Ceramic Hollow Fiber Membranes for Oxygen Separation	Chris Xue
	15	Virginia Polytechnic Institute and State University	Advancing Coal Catalytic Gasification to Promote Optimum Syngas Production	Francine Battaglia
	16	Gas Technology Institute	Production of High-Purity Oxygen via Membrane Contactor with Oxygen Carrier Solutions	Shinguang Li
	17	University of Wyoming	Catalytic PRB Coal-CO_2 Gasification for Fuels and Chemicals with Two Different Types of Syngas and Negative or Low CO_2 Emissions	Maohong Fan
	18	Montana State University	Increasing the Rate and Extent of Microbial Coal to Methane Conversion through Optimization of Microbial Activity, Thermodynamics, and Reactive Transport	Matthew Fields
	19	University of Utah	Ceramic Proppant Design for In-Situ Microbially Enhanced Methane Recovery	Taylor Sparks
	20	Southern Illinois University	Optimized Microbial Conversion of Bituminous Coal to Methane for In-Situ and Ex-Situ Applications	Yanna Liang
	21	Montana State University	Optimization, Scaleup, and Design of Coal-Dependent Methanogenesis in Preparation for In-Situ Field Demonstration	Matthew Fields
	22	Pennsylvania State University	A Scaling Study Of Microbially-Enhanced Methane Production From Coal: Optimizing Nutrient Delivery For Maximized Methane Production	Derek Elsworth
	23	Alstom Power, Inc.	Alstom's Limestone Chemical Looping Gasification Process for High-Hydrogen Syngas Generation?	Frederic Vitse